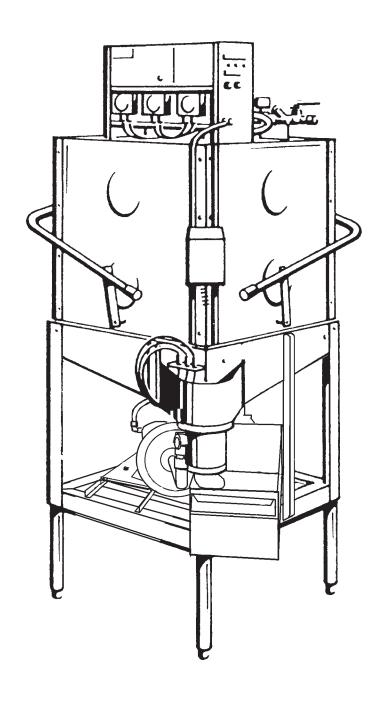
EFFECTIVE: MARCH, 2011

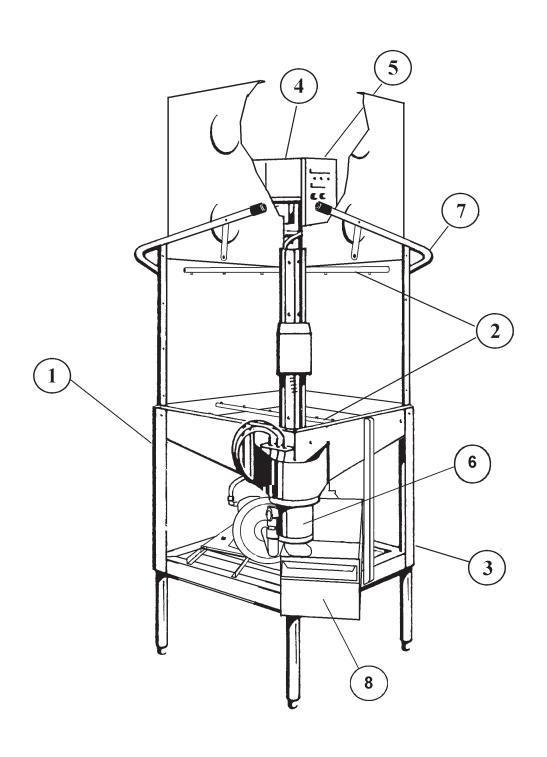
American Dish Service

ADS CONVERTIBLE DISHWASHER MODELS: AF3DS / AFC3DS



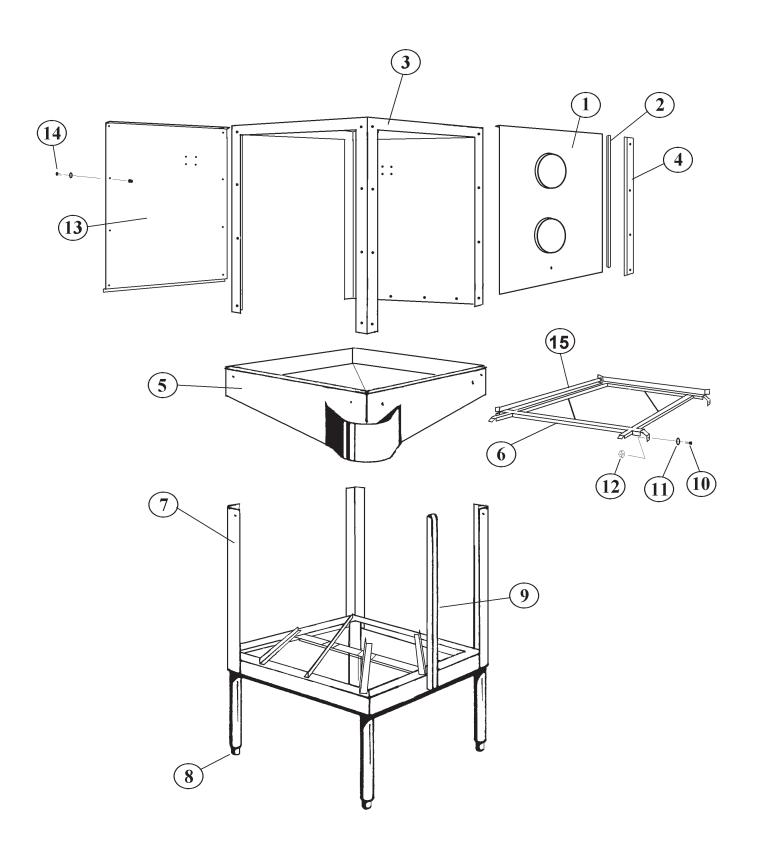
PARTS MANUAL

900 Blake Street Edwardsville, Kansas 66111 (913)422-3700



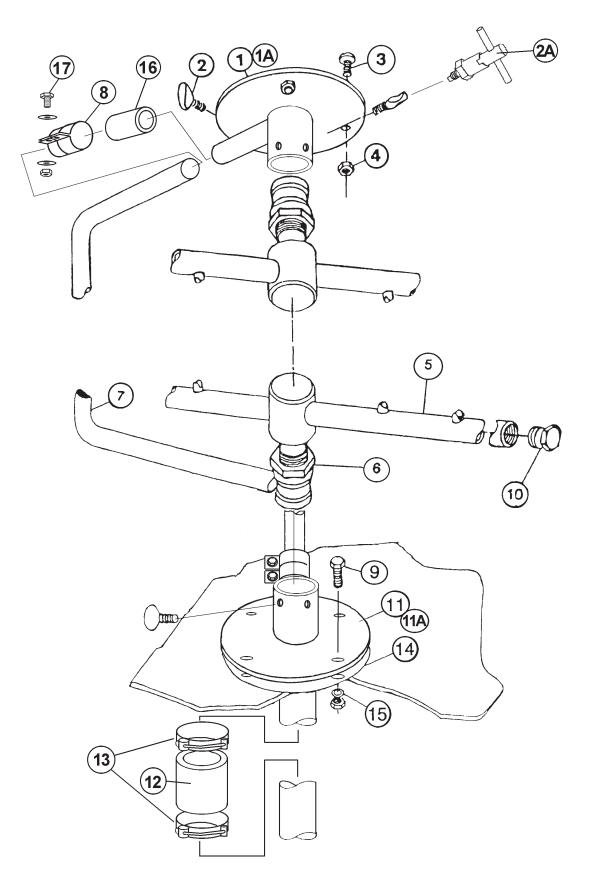
026-0090 / 027-0090 Models: AF3D-S / AFC3D-S

Ref.	-	No.	
No.	Part No.	Req.	Description
1	061-1800	1	Cabinet Assembly AF3D-S / AFC3D-S
2	062-1700	1	Spray System Assembly AF3D-S / AFC3D-S
3	063-2000	1	Recirculating Pump Assembly AF3D-S / AFC3D-S
4	064-2600	1	Control System Assembly AF3D-S / AFC3D-S
5	065-2000	1	Fresh Water Plumbing Assembly AF3D-S / AFC3D-S
6	066-1300	1	Drain System Assembly AF3D-S / AFC3D-S
7	067-1000	1	Lever Arm Assembly AF3D-S
7	067-1100	1	Lever Arm Assembly AFC3D-S
8	051-8001	1	Scrap Trap Weldment



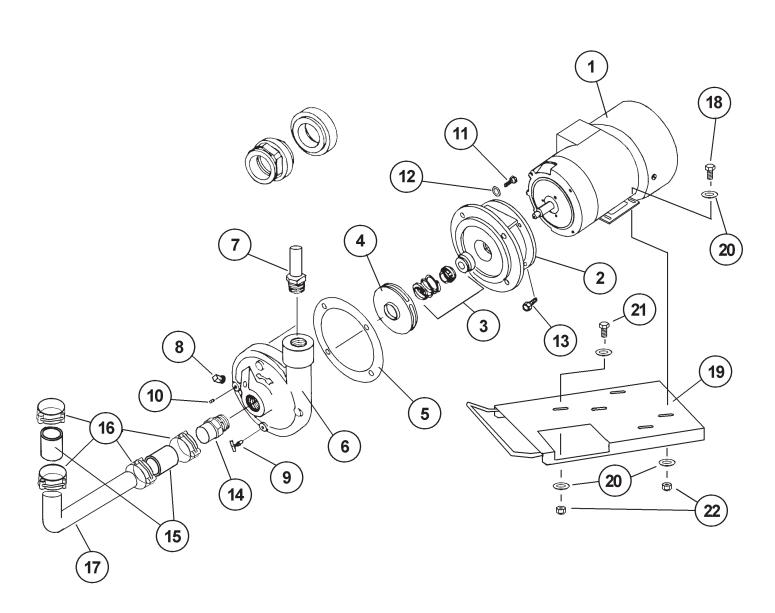
061-1800 Cabinet Assembly AF3D-S / AFC3D-S

Ref.		No.	
No.	Part No.	Req.	Description
1	087-6116	2	Door
2	083-6107	4	Door Strip, Nylatron
3	085-6197	1	Hood Weldment
4	087-6114	4	Door Guide
5	085-6196	1	Pan Weldment
6	085-6146	1	Tray Track Weldment
7	085-6195	1	Frame Weldment
8	099-1003	4	Bullet Feet
9	087-6326	1	Sump Support
10	098-1423	16	Bolt, 1/4-20 x 1/2" HH SS
11	098-2404	42	Washer, SS, ¼"
12	098-2507	48	Locknut 1/4-20, SS
13	087-6115	1	Door, Dummy
14	098-1414	28	Bolt, ¼-20 x ½" Truss Head SS
15	086-6638	1	Tray Track Conversion Bar
N/S	098-1420	2	Bolt, 1/4-20 x 1 1/4" HH SS
N/S	091-4146	2	Clamp, Conduit
N/S	086-6104	2	Clamp, Double
N/S	384-6118	2	Bushing, ½" (Dowel)
N/S	089-9096	1	Scrap Accumulator
N/S	089-9090	1	Scrap Accumulator Cover
N/S	089-9078	1	Scrap Accumulator Tray
N/S	292-1028	1	No-Hub Connector, 2" Pipe to Pipe
		<u> </u>	



062-1700 Spray System Assembly AF3D-S / AFC3D-S

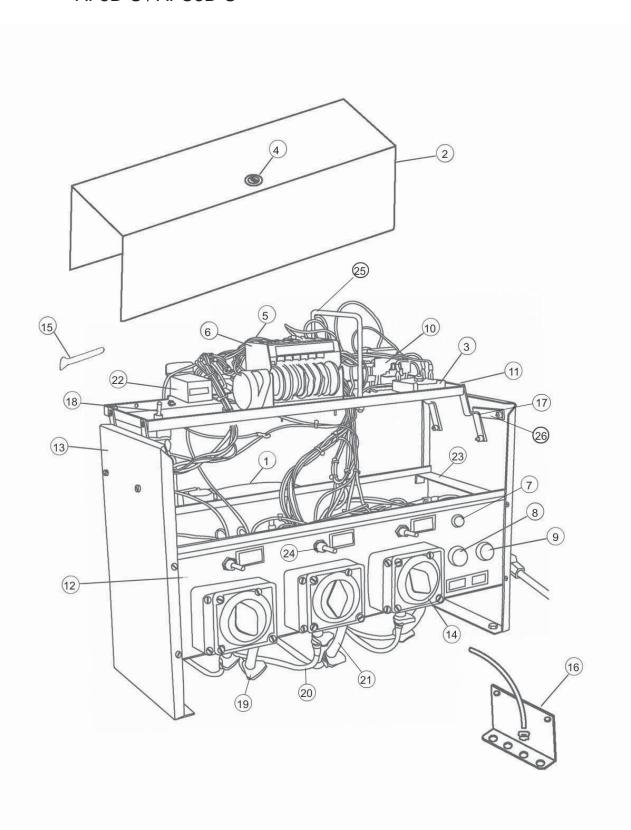
Ref.		No.	
No.	Part No.	Req.	Description
1	085-6628	1	Upper Spray Base, SS, Thumbscrew Type
1A	085-6626	Opt.	Upper Spray Base, SS, Bayonet Type
2	098-1583	6	Thumb Screws 5/16-18 x 5/8" SS
2A	099-1028	Opt.	Bayonet Fitting
3	098-1426	4	Bolt, ¼-20 x ¾" HH SS
4	098-2507	8	Locknut, 1/4-20 SS
5	081-6211	2	Spray Arm Assembly, AF/AFC3D-S
6	081-6210	2	Spray Arm Bearing Assembly, Cleanable
7	087-6226	1	Upper Arm Supply Tube (Manifold)
8	081-6501	2	Clamp Assembly, Inside Manifold (Incl. Bolts & Nuts)
9	098-1426	4	Bolt, ¼-20 x ¾" HH SS
10	084-6211	4	Spray Arm End Plug, SS
11	085-6627	1	Lower Spray Base, SS, Thumbscrew Type
11A	085-6625	Opt.	Lower Spray Base, SS, Bayonet Type
12	093-1040	1	Plastic Sleeve, Discharge Tube
13	098-9037	2	Clamp, Discharge Tube sleeve
14	089-6201	1	Gasket, Spray Base
15	098-2404	4	Washer, ¼", SS
16	093-1041	2	Plastic Sleeve, Inside Manifold Tube
17	098-1426	4	Bolt, 1/4-20 x 3/4" HH SS



063-2000

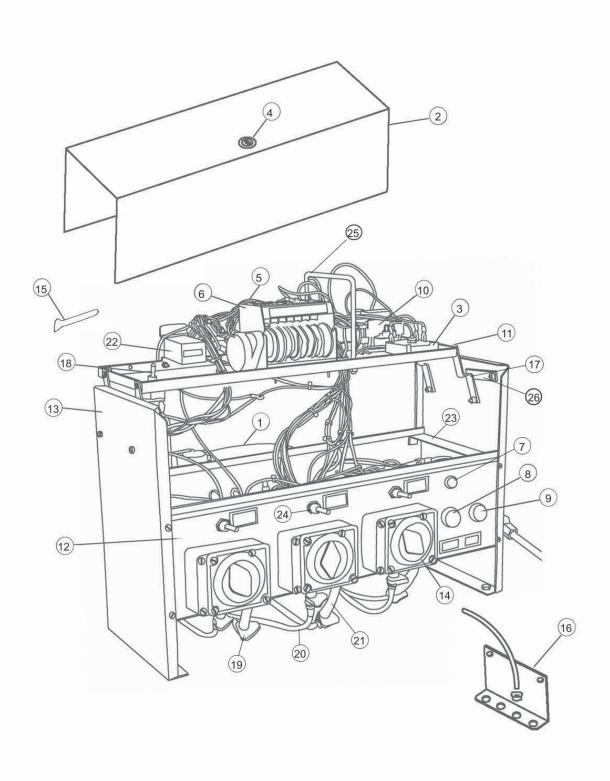
Recirculating Pump Assembly American Dish Service AF3D-S / AFC3D-S

Ref.		No.	
No.	Part No.	Req.	Description
1	091-1001	1	Motor
2	082-6301	1	Rear Housing
3	092-2001	1	Seal Assembly
4	082-6303	1	Impeller
5	089-6303	1	Gasket
6	082-6302	1	Front Housing (Pump Cover)
7	085-6198	1	Discharge Pipe Weldment
8	092-1144	1	Pipe Plug, 3/8", SS
9	092-1002	1	Petcock 1/8"
10	092-1145	1	Pipe Plug, 1/8", SS
11	098-1507	2	Bolt, HH, SS, 5/16-18 x 7/8
N/S	098-1510	2	Bolt, 5/16-18 x 1 1/4", HH, SS
12	098-2503	4	Washer, Copper 5/16
13	098-1607	4	Bolt, 3/8-16 x 7/8" HH SS
14	085-6321	1	Pump Pipe, Suction
15	093-1039	2	Plastic Sleeve, Suction Tube
16	098-9038	4	Clamp, Suction Tube Sleeve
17	085-6320	1	Suction tube
18	098-1426	2	Bolt, 1/4-20 x 3/4", HH, SS
19	085-6408	1	Motor Plate
20	098-2404	6	Washer, ¼", SS
21	098-1434	1	Bolt, 1/4-20 x 2", HH, SS
22	098-2507	3	Locknut, 1/4-20, SS
Rep.	088-1012	0	Pump assembly Through Impeller
-			(Needs Gasket 089-6303)



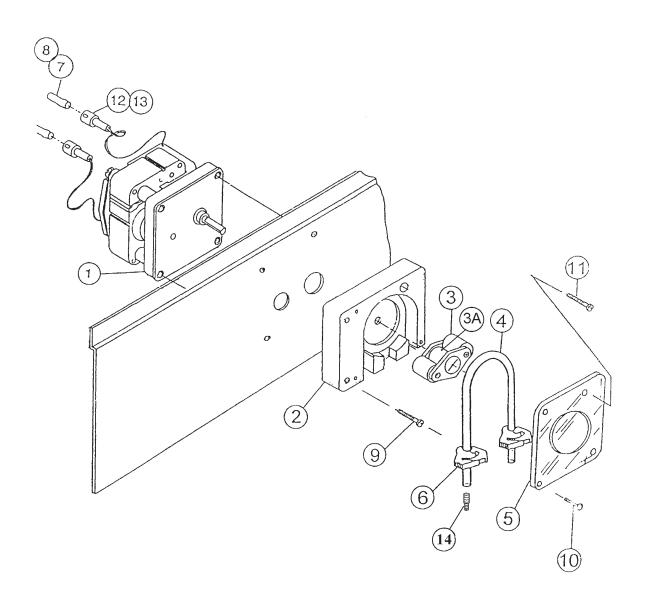
064-2600 AF3D-S / AFC3D-S

Ref.		No.	
No.	Part No.	Req.	Description
1	091-5156	1	Conduit, ½" (Sold by the Foot)
2	087-6404	1	Control Box Cover
3	091-3003	1	Instant Start Relay (Not Included in Auto-Start Machines)
4	096-1002	1	Control Box Lock
5	091-5022	1	Wire Harness
6	091-3051	1	Timer, 90 Second, 7 Cam
Opt.	091-3078	Opt.	Timer, 150 Second, 8 Cam
7	091-7001	1	Red Indicator Light
8	091-3002	1	Push-Button Switch, Red Start
9	091-3001	1	Push-Button Switch, Black Fill
10	091-3083	1	Contactor
11	086-6534	1	Upper Shelf, Control Box
12	087-6425	1	Pump Panel, Control Box
13	081-6415	1	Control Box Assembly
14	064-0010	3	Chemical Pump Assembly (Peristaltic)
15	099-1004	1	Timer Adjustment Key
16	064-0026	1	Chemical Feeder Assembly
17	086-6678	4	Control Box Hinge
18	091-3060	1	Switch, Service
19	098-1605	3	Tube Clamp
20	093-1044		Tubing, Chemical Line, ¼" Blue (By the Foot)
20	093-1045		Tubing, Chemical Line, ¼" Green (By the Foot)
20	093-1046		Tubing, Chemical Line, ¼" Red (By the Foot)
21	083-6407	3	Tube Stiffener
22	091-3049	1	Counter, Electric
23	086-6535	2	Shelf Support Bracket
24	091-3009	4	Switch, SPST Momentary
25	086-6317	1	Shelf Handle
26	086-6676	1	Safety Latch
N/S	089-9201	1	Decal, Wiring Diagram
N/S	089-9204	1	Decal, Clean Instruction, Outside Sump



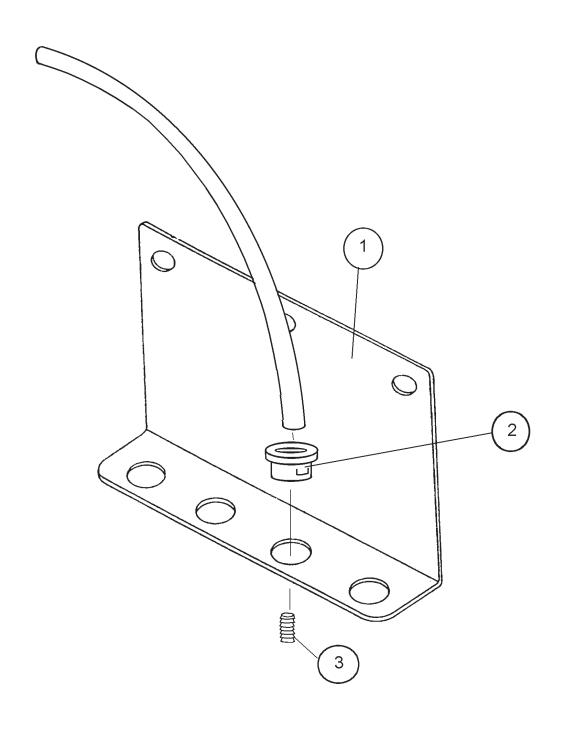
064-2600 Control System Assembly American Dish Service AF3D-S / AFC3D-S

Ref.		No.	
No.	Part No.	Req.	Description
N/S	089-9227	1	Decal, Cam Adjustment DWM
N/S	086-6166	1	Bracket, Door Cut-Off Switch
N/S	089-9312	1	Decal, NSF Specifications
N/S	091-3059	Opt.	Relay, Auto Start
N/S	099-4502	1	Switch, Door Cut-Off
N/S	099-4500	Rep.	Switch Body, Door Cut-Off (Replacement)
N/S	099-4501	Rep.	Switch Plunger, Door Cut-Off (Replacement)
N/S	099-4503	Rep.	Switch Contactor, Door Cut-Off (Replacement)
N/S	098-1605	3	Hose Clamp
N/S	091-4003	1	Junction Box
N/S	091-4004	1	Junction Box Cover
N/S	091-4141	5	Fitting, Conduit, 1/2", Straight
N/S	091-4142	2	Fitting, Conduit, ½", 90 °
N/S	098-9022	1	Plastic Plug, ½"
N/S	098-9020	1	Plastic Plug, 7/8"
N/S	292-1006	2	Pipe Locknut, ½" FPT, Brass (Holds Bell Box to Control Box)
N/S	092-1008	1	Nipple, ½" Close, Brass



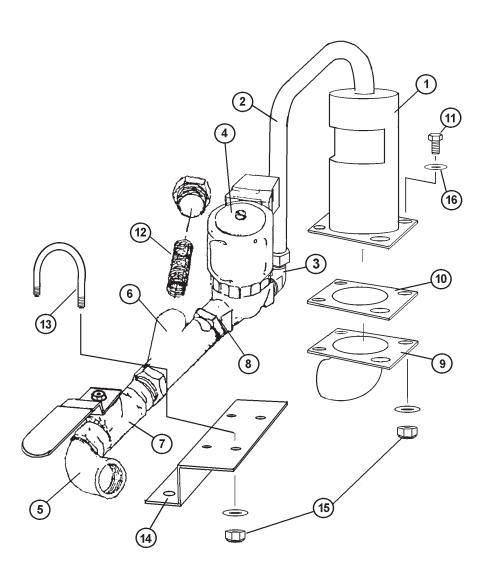
064-0010 Chemical Pump Assembly AF3D-S / AFC3D-S

Ref. No.	Part No.	No. Req.	Description
1	091-1002	1	Gear Motor
2	083-6703	1	Pump Housing, 3D
3	067-6702	1	Rotor Assembly, 3D
3A	098-1322	1	Set Screw, 10-32 x 1/4"
4	087-6700	1	Squeeze Tube
5	083-6707	1	Cover, 3D, Chem. Pump
6	098-1606	2	Tube Clip
7	091-5222	0	Molex Female Pin
8	091-5221	0	Molex Cover
9	098-1305	2	Screw, RH, 10-32 x 1 1/2"
10	098-1204	3	Screw, RH, SS, 8-32 x 1/2"
11	098-1321	1	Screw, RH, SS, 10-32 x 1 3/4"
12	091-5224	2	Molex Male Pin
13	091-5223	2	Cover
14	092-1146	2	Hose Barb, ¼" x 3/16"
			(Connects Squeeze Tube to 1/4" Chem. Tubing)



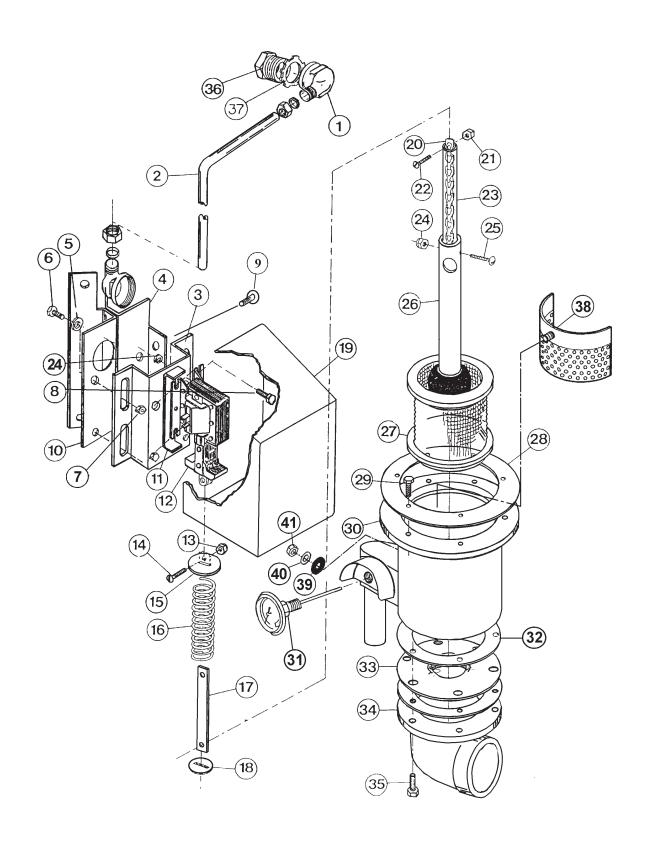
064-0026 Chemical Feeder Assembly AF3D-S / AFC3D-S

Ref. No.	Part No.	No. Req.	Description
1	086-6429	1	Chemical Feeder Bracket
2	091-4015	3	Heyco Grommet
3	093-1043	3	Barbed Fitting
	•		



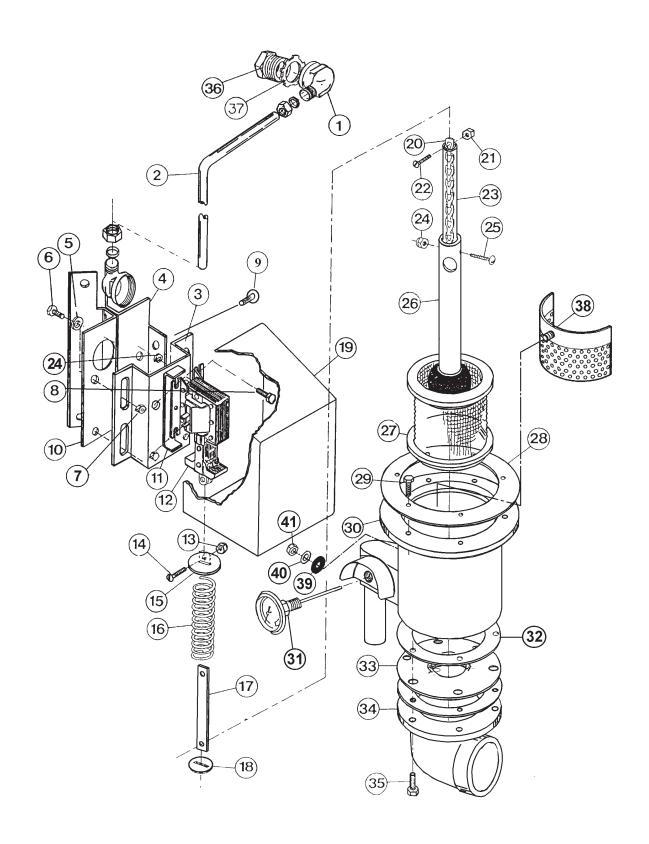
065-2000 Plumbing Assembly AF3D-S / AFC3D-S

Ref.		No.	
No.	Part No.	Req.	Description
1	385-6121	1	Air Gap Weldment
2	092-3118	1	Fresh Water Supply Tube
3	092-1062	1	Fitting, ½" MPT x ½" Comp. 90 ° Elbow
4	092-5015	1	Solenoid Valve
5	092-1006	2	Fitting, ½" Street Elbow
6	092-9001	1	Line Strainer
7	092-5054	1	Shut Off Valve
8	092-1008	2	Nipple, ½" Close
9	385-6124	1	Air Gap Flanged Outlet Elbow Weldment
10	389-6603	1	Gasket, Air Gap
11	098-1426	4	Bolt, ¼-20 x ¾", HH, SS
12	092-9002	Rep.	Screen (Replacement)
13	098-9027	1	U-Bolt, 1/4-20, SS
14	086-6537	1	Bracket, Plumbing
15	098-2507	6	Locknut, 1/4-20, SS
16	098-2404	8	Washer, ¼", SS
Rep	092-5016	0	Solenoid Valve Repair Kit (Replacement)
Rep	092-5025	0	Solenoid Valve Body (Replacement)
Rep	092-5017	0	Solenoid Valve Coil (Replacement)
		L	1



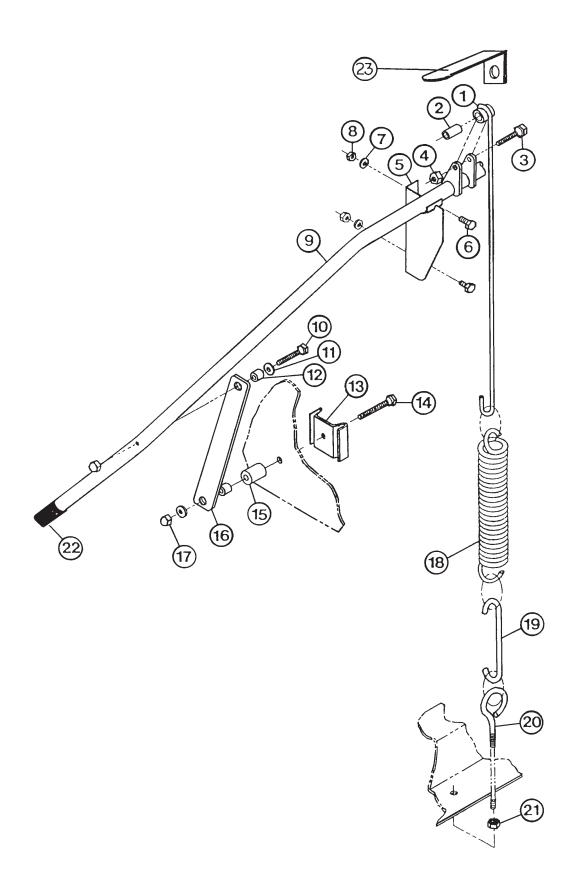
066-1300 Drain System Assembly AF3D-S / AFC3D-S

Ref.		No.	
No.	Part No.	Req.	Description
1	092-1030	2	Conduit Fitting, ¼", 90 °
2	086-6646	1	Conduit, 3/8" Dia. X 19"
3	086-6622	1	Solenoid Base, 3D Series
4	086-6645	1	Mounting Bracket, Right
5	098-2404	10	Washer, ¼", SS
6	098-1423	4	Bolt, HH, SS, 1/4-20 x 1/2"
7	098-2507	4	Locknut, SS, 1/4-20
8	098-1306	4	Bolt, HH, SS, 10-32 x ½"
9	098-1413	2	Bolt, 1/4-20 x 3/8", TH, SS
10	086-6644	1	Mounting Bracket, Left
11	086-6604	1	Solenoid Stop
12	091-2001	1	Solenoid
13	098-2201	1	Locknut, 8-32, SS
14	098-1205	1	Screw, RH, SS, 8-32 x 5/8"
15	086-6607	1	1-1/16 Slotted Washer (Large)
16	098-3001	1	Spring
17	086-6605	1	Link
18	086-6606	1	1-5/16 Slotted Washer (Small)
19	085-6612	1	Solenoid Cover
20	089-6610	1	Chain, Make From 098-9001
21	098-2201	1	Locknut, 8-32, SS
22	098-1205	1	Screw, RH, SS, 8-32 x 5/8
23	084-6622	1	Chain Cover, Make From 093-1012
24	098-2301	5	Locknut, SS, 10-32
25	098-1311	1	Screw, RH, SS, 10-32 x 1 3/8
26	081-6601	1	Drain Plug Assembly
Rep	084-6608	0	Drain Tube (Replacement Part)
Rep	083-6601	0	Drain Ball (Replacement Part), 1 ½"
27	085-6602	1	Sump Screen
28	089-6601	1	Sump Gasket
29	098-1423	6	Bolt, HH, SS, 1/4-20 x 1/2
30	085-6204	1	Sump Assembly With Tail Piece
31	099-1001	1	Temperature Gauge
32	089-6602	2	Drain Elbow Gasket



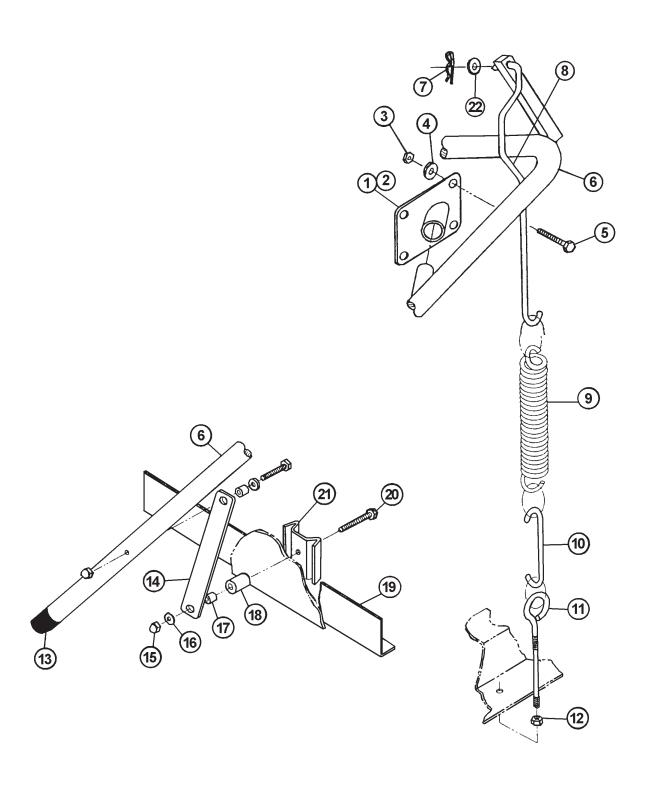
066-1300 Drain System Assembly AF3D-S / AFC3D-S

Ref.		No.	
No.	Part No.	Req.	Description
33	086-6601	1	Drain Seat
34	085-6199	1	Drain Elbow Weldment
35	098-1508	6	Bolt, 5/16-18 x 5/8", HH, SS
36	092-1029	2	Reducer Bushing, ½" x 3/8"
37	091-4144	2	Conduit Locknut
38	085-6160	1	Drain Screen, Secondary (To Protect the Pump)
39	089-9028	1	Washer, Rubber Reinforced
40	098-2404	1	Washer, ¼", SS
41	098-2507	1	Locknut, ¼ -20, SS
N/S	086-6615	1	Water Fin



067-1000 Lever Arm Assembly AF3D-S

	No.	
		Description
085-6701		Spring Extension Weldment
		Bushing, Bronze
098-1514		Bolt, 5/16-18 x 1 ½", HH SS
098-2505	2	Cap Nut, SS, 5/16-18
085-6703	1	Arm Support Bracket Weldment, Left
085-6707	1	Arm Support Bracket Weldment, Right
098-1423	4	Bolt, 1/4-20 x 1/2, HH, SS
098-2404	4	Washer, ¼, SS
098-2507	4	Locknut, 1/4-20, SS
085-6726	1	Door Operating Arm Weldment (Lever Arm)AF-3DS
098-1431	2	Bolt, 1/4-20 x 1 3/8, HH, SS
098-2404	6	Washer, ¼, SS
084-6703	4	Bushing (Dowel 3/8)
086-6701	2	Door Stop
098-1432	2	Bolt, 1/4-20 x 1/34, HH, SS
084-6702	2	Spacer
086-6702	2	Door Link
098-2405	4	Cap Locknut, 1/4-20, SS
098-3003	2	Door Spring
086-6737	2	Spring Extension, Secondary
098-1581	2	Eye Bolt, 5/16-18 x 6"
098-2502	2	Nut, HH, SS, 5/16-18
099-1018	2	Lever Arm End Cap
086-6623	1	Lever Arm Cut-Off Bracket, "L"
098-2503	2	Washer, Copper, 5/16"
088-1061	Opt.	Kit, Lever Arm Conversion, Straight to Corner
	098-2505 085-6703 085-6707 098-1423 098-2404 098-2507 085-6726 098-1431 098-2404 084-6703 086-6701 098-1432 084-6702 086-6702 098-2405 098-3003 086-6737 098-1581 098-2502 099-1018 086-6623 098-2503	Part No. Req. 085-6701 2 098-4002 2 098-1514 2 098-2505 2 085-6703 1 085-6707 1 098-1423 4 098-2404 4 098-2507 4 085-6726 1 098-1431 2 098-2404 6 084-6703 4 086-6701 2 098-1432 2 084-6702 2 086-6702 2 098-2405 4 098-3003 2 086-6737 2 098-1581 2 098-2502 2 099-1018 2 086-6623 1 098-2503 2



067-1100 Lever Arm Assembly AFC3D-S

	No.	
Part No.	Req.	Description
085-6808	1	Right Pivot Weldment (Long), (Plumbing Side)
085-6807	1	Left Pivot Weldment (Short)
098-2507	8	Locknut, HH, SS, 1/4-20
098-2404	8	Flat Washer, ¼", SS
098-1423	8	Bolt, HH, SS, 1/4-20 x 1/2"
085-6725	1	Door Lever Arm Weldment, AFC-3DS
098-8006	1	Hairpin Cotter, SS
085-6721	1	Spring Extension Weldment
098-3011	1	Door Spring
086-6703	1	Spring Extension, Second
098-1581	1	Eye Bolt, SS, 5/16-18 x 6"
098-2502	1	Nut, HH, SS, 5/16-18
092-1086	2	Heavy Duty Cap 1"
086-6702	2	Door Link
098-2405	4	Locknut Cap, SS, 1/4-20
098-2404	4	Washer, SS, ¼"
084-6701	4	Bushing (Dowel 5/8")
084-6702	2	Spacer
087-6701	2	Door Brace
098-1434	4	Bolt, HH, SS, 1/4-20 x 2"
086-6701	2	Door Stop
098-2503	1	Washer, Copper, 5/16"
088-1062	Opt.	Kit, Lever Arm Conversion, Corner to Straight
	085-6808 085-6807 098-2507 098-2404 098-1423 085-6725 098-8006 085-6721 098-3011 086-6703 098-1581 098-2502 092-1086 086-6702 098-2405 098-2405 098-2404 084-6701 084-6701 098-1434 086-6701 098-2503	Part No. Req. 085-6808 1 085-6807 1 098-2507 8 098-2404 8 098-1423 8 085-6725 1 098-8006 1 085-6721 1 098-3011 1 098-3011 1 098-1581 1 098-2502 1 092-1086 2 086-6702 2 098-2405 4 084-6701 4 084-6702 2 087-6701 2 098-1434 4 086-6701 2 098-2503 1

Manufacturer of low and high temperature Commercial Dishwashers and Glasswashers

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